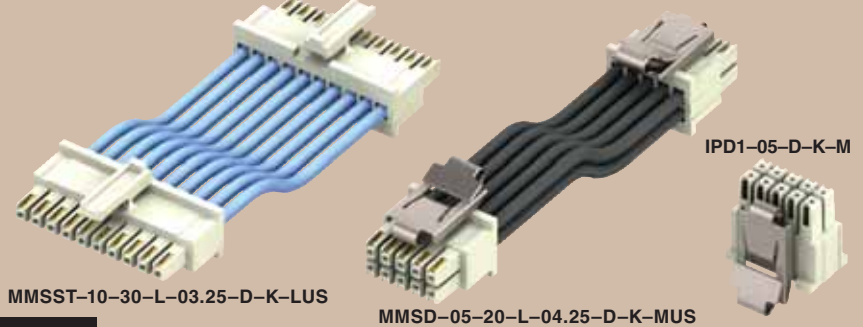




(2,54mm) .100"

MMSD, MMSDT, MMSS, MMSST, IPD1 SERIES



DISCRETE WIRE CABLE ASSEMBLY

Mates with: IPL1
(Does not mate with IPT1)

SPECIFICATIONS

For complete specifications see www.samtec.com?MMSD, www.samtec.com?MMSDT, www.samtec.com?MMSS, www.samtec.com?MMSST or www.samtec.com?IPD1

Insulator Material: Nylon 66
Contact Material: Phosphor Bronze
Plating: Au or Sn over 50µ" (1,27µm) Ni
Operating Temp Range: -55°C to +105°C (20-26 AWG)
-55°C to +80°C (28-30 AWG)
-55°C to +125°C (*Teflon®)
Voltage Rating: 22 to 30 AWG = 300 VAC/424 VDC
20 AWG = 600 VAC/848 VDC (PVC)
Wire: 20 to 30 AWG
RoHS Compliant: Yes



| CURRENT RATING | |
|----------------|-----------|
| AMBIENT TEMP | MMSD/IPL1 |
| 20°C | 7.4A |
| 40°C | 6.5A |
| 60°C | 5.9A |
| 95°C | 3.8A |

6 POSITIONS (2x3)
20 AWG POWERED

APPLICATION SPECIFIC OPTION

- Other color coded cables (*Teflon® N/A).
- Other sizes/pin counts.
- With or without Plug Polarization (omit pin 1).
- Other Gold plating options. Call Samtec.

APPLICATION

| -24C CABLE COLOR CODING | |
|-------------------------|--------|
| PIN | COLOR |
| 1 | BROWN |
| 2 | RED |
| 3 | ORANGE |
| 4 | YELLOW |
| 5 | GREEN |
| 6 | BLUE |
| 7 | VIOLET |
| 8 | GRAY |
| 9 | WHITE |
| 10 | BLACK |
| ETC | REPEAT |

Note: For wiring option information refer to drawing on web.

Note: Some lengths, styles and options are non-standard, non-returnable.

| TYPE | PINS PER ROW | WIRE GAUGE | PLATING OPTION | ASSEMBLY LENGTH | END OPTION | K | LATCH OPTION |
|---|-----------------------------|--|---|--|--|----------------------------|--------------|
| MMSD = Double Row PVC Cable | -02, -05, -10, | -20 -22 -24 | -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail | - "XX.XX" = Assembly Length in Inches (82,55mm) 03.25" min. | -S = Single End -D = Double End (Latch Required) | -K = Keyed Polarization | |
| MMSDT = Double Row *Teflon® Cable (24, 28 & 30 AWG only) | -15, -16, -20, -25 | -24C = Color Coded Cable -26 -28 -30 | -D-K-MUS | | | | |
| MMSS = Single Row PVC Cable | | | | | | | |
| MMSST = Single Row *Teflon® Cable (24, 28 & 30 AWG only) | | | | | | | |

Dimensions:
No. of positions x (2,54) .100
25 + (1,40) .055 01
(8,89)
.350
(2,54) .100
(12,83) .505

Assembly Length:
+ (3,18)
.125

Latches:
-M = Single Ended, Metal Latches (Leave blank for plastic)
Double Ended (-D) Crossed requires MMSD/MMSDT
-LUS = Plastic Latch up, straight
-LDS = Plastic Latch down, straight
-LUX = Plastic Latch up, crossed
-LDX = Plastic Latch down, crossed
-MUS = Metal Latch up, straight
-MDS = Metal Latch down, straight
-MUX = Metal Latch up, crossed
-MDX = Metal Latch down, crossed

RUGGEDIZED by SAMTEC
• Individually shrouded contacts
• Metal or plastic latches

| TYPE | POSITIONS PER ROW | ROW OPTION | K | LATCH OPTION | TYPE | WIRE GAUGE | 01 | PLATING OPTION |
|-----------------------|--|--|----------------------------|---|--|--|----|---|
| IPD1 = Body, Loose | -02, -05, -10, -15, -16, -20, -25 | -S = Single Row -D = Double Row | -K = Keyed Polarization | -M = Metal Latch (Leave blank for plastic latch) | CC79L = Contact, Loose CC79R = Contact, Full Reel (15,000 Parts per Reel) | -2630 = 26 to 30 AWG -2024 = 20 to 24 AWG | | -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail |

Dimensions:
(12,83) .505
(7,24) .285
(17,93) .706
(1,52) .060
(1,91) .075
(1,57) .062 DIA
(3,81) .150
(3,17) .1250

HAND TOOLS
20 to 24 AWG: CAT-HT-179-2024-11
26 to 30 AWG: CAT-HT-179-2630-11

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM